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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/639,465	08/13/2003	Kazuo Yamazaki	501.39812VV2	6745	
20457 7	590 09/20/2006	EXAMINER			
ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET SUITE 1800 ARLINGTON, VA 22209-3873			GOUDREAU, GEORGE A		
			ART UNIT	PAPER NUMBER	
			1763		
			DATE MAILED: 09/20/2006	DATE MAILED: 09/20/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
Office Action Summans	10/639,465	YAMAZAKI ET AL.			
Office Action Summary	Examiner	Art Unit			
	George A. Goudreau	1763			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be time rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on <u>05 Ju</u>	-				
,	action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	33 U.G. 213.			
Disposition of Claims					
4) Claim(s) <u>1,5-17 and 21-29</u> is/are pending in the 4a) Of the above claim(s) is/are withdraw	• •				
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1,5-17 and 21-29</u> is/are rejected.					
7) Claim(s) is/are objected to.	- alastian ragiuirament				
8) Claim(s) are subject to restriction and/or	election requirement.				
Application Papers					
9) The specification is objected to by the Examiner	r.				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	∋ 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the correcti	ion is required if the drawing(s) is obj	jected to. See 37 CFR 1.121(d).			
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of:	priority under 35 U.S.C. § 119(a))-(d) or (f).			
 Certified copies of the priority documents have been received. 					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau	·				
* See the attached detailed Office action for a list of the control of the contro	of the certified copies not receive	GEORGE GOUDHEAU PRIMARY EXAMINER			
Attachment(s)		9-06'			
1) Notice of References Cited (PTO-892)	4) Interview Summary				
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail Da 5) Notice of Informal P				
Paper No(s)/Mail Date	6) Other:				

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1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 1, 5-17, and 21-29 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter, which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

The specification recites that the first gas, which is used in the etchant, is one, which is hardly reactive with Ge. The only examples of gasses, which may be used as the first gas in the specification, are inert gasses such as Ar, and N2. The claims recite that the first gas which is one, which is less reactive with Ge as compared with O2. Since O2 is very reactive with Ge, the scope of gasses, which may be used as the first gas in the etchant, is much larger in the presently claimed invention than what is disclosed in the specification of the present application. The specification gives no guidance of what gasses may be used as the first gas other than to say it is a gas, which is hardly reactive with Ge such as N2 or Ar. Thus, the scope of what is enabled by the specification is much narrower than what is claimed in the claims.

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

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4. Claims 1, 5-17, and 21-29 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject

matter which applicant regards as the invention.

-In the claims, the usage of the phrase "a first gas less reactive to Ge as

compared with oxygen" is confusing since it does not match the scope of what is

enabled by the specification for the first gas.

5. This application should have been filed as a CIP rather than a divisional since it

claims subject matter, which is not supported by the specifications, which were filed in

either of the parent applications. The parent applications recite the usage of a more

narrow scope of what the first gasses in the etchant may be. That is to say the claims in

the pending application are broader in scope than what the parent application enables

in terms of what gasses may be used as the first gas in the etchant.

6. Applicant's arguments with respect to claims of record have been considered but

are moot in view of the new ground(s) of rejection.

7. Any inquiry concerning this communication should be directed to examiner

George A. Goudreau at telephone number (571)-272-1434.

George A. Goudreau (

Primary Examiner

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